

Hayward Community Schools Curriculum Map

Grade Level(s):	11-12	Unit:	Chemical Equilibrium, Part a	Subject:	AP Chemistry
When We Teach this Unit		What We Teach in this Unit (ICAN, Goals, or Objectives)		Standards Addressed	Assessment Type
Sixth		I am able to define chemical equilibrium and describe characteristics of a system in equilibrium		EQUIL.1	Multiple
		I am able to determine the mass action expression for a reversible reaction, given a balanced equation		EQUIL.2	Multiple
		I am able to calculate the equilibrium constant for a reaction, given information about equilibrium concentrations.		EQUIL.3.a	Multiple
		I am able to calculate equilibrium concentrations, given initial concentration data and an equilibrium constant for systems in		EQUIL.3.b	Multiple
		I am able to appropriately modify the mass action expression and the equilibrium constant to reflect a change in reaction direction or		EQUIL.3.c	Multiple
		I am able to relate K_c and K_p for reactions involving gases.		EQUIL.4	Multiple
		I am able to predict the direction a reaction will shift to reach equilibrium, given current concentrations of reactants and products.		EQUIL.5	Multiple
		I am able to predict the response of an equilibrium system to stresses of		EQUIL.6	Multiple
		I am able to identify acids and bases by the Bronsted-Lowry definition.		AB.1	Multiple
		I am able to identify conjugate acid/base pairs in a chemical reaction.		AB.2	Multiple
		I am able to write an equation for an acid or base dissociation.		AB.3.a	Multiple

Assessment Types:

SR=Selected Response (matching, multiple choice, T/F) PA=Performance Assessment (performance or authentic tasks)

CR=Constructed Response (short answer/essay) O=Observation (interactive and non-interactive)